
0600B3--Brooks-McCall Cruise 03 MAY 19-21 2010

****DATA SOURCE****
Data were compiled from surveys conducted in the Gulf of Mexico.

****DATA COLLECTION PURPOSE****
Natural Resource Damage Assessment

****DATA USE QUALIFICATION****
These data are a subset of samples collected on Brooks McCall Cruise 03. As more data become available, they will be added to this data set.

Values for concentration and detection limit should be interpreted to 3 significant figures.
Values for reporting limits should be interpreted to 1 significant figure.

****STUDY****
The data include water chemistry data and oil samples.

****STATION****
StationIDs were stored as recorded in the EPA SCRIBE database. Reported datums at the time of upload are in the Station table.

****SAMPLES AND REPLICATES****
The collection depth of water samples in the fields UDepth and LDepth are reported in meters and are based on the planned collection depths ("target"). The actual collection depth values were not available.

The original SampleIDs reported by the lab from the Chain-of-Custody is stored in the ExSampID field in the SmpWat.dbf table. The original SampleID reported by field staff is stored in FldSampID in the SmpWat.dbf table.

Samples were assigned to each unique location and depth, and field duplicates were coded with a "D" in the SampleID and with a SampType of "FDUP." Subsequent field duplicates (splits) then have a sequential numbering "D2, D3, etc.

Samples were analyzed by Alpha Analytical Laboratory were coded with labrep "A" to distinguish from data for the same study from other laboratories that may be added in the future. Lab duplicates (second analysis of same sample for same analytical method) were assigned labrep "2A". Lab duplicates were identified as those samples with a "D" suffix on the lab ID (e.g., 1005025-01D was the lab duplicate for 1005025-01).

Several analytes are reported from 2 different analytical methods. The "preferred" result (usually with lower detection limits) is given the default labrep code (e.g., "1A" or "2A"). The results from the non-preferred analytical method have a "X" appended to the labrep code (e.g., "1AX" or "2AX")

The following chemcode/analytes were measured using two methods:

Methods: PIANO Volatile Hydrocarbons by GC/MS | 8260M and Total Saturated Hydrocarbons by GC/FID | 8015M
AHCN_C09/ Nonane
AHCN_C10/ Decane
AHCN_C11/ Undecane
AHCN_C12/ Dodecane
AHCN_C13/ Tridecane
The results for PIANO Volatile Hydrocarbons by GC/MS were assigned labrep "1AX"

Methods: PIANO Volatile Hydrocarbons by GC/MS | 8260M and Alkylated Polynuclear Aromatic Hydrocarbons | 8270M
BTHIOPHNE/ Benzo(b)thiophene
METHNAP_1/ 1-Methylnaphthalene
METHNAP_2/ 2-Methylnaphthalene
NAPTHALENE/ Naphthalene
The results for PIANO Volatile Hydrocarbons by GC/MS were assigned labrep "1AX"

Alpha Lab Analytical Methods:
Total Saturated Hydrocarbons by GC/FID | 8015M | SOP. 0-003 Rev. 5 (abbreviated as 8015 M - Tot Sat. HC - GC/FID)
Alkylated Polynuclear Aromatic Hydrocarbons | 8270M | SOP. 0-008 Rev. 6 (abbreviated as 8270 M - Alkylated PAHs)
PIANO Volatile Hydrocarbons by GC/MS | 8260M | SOP. 0-019 Rev. 2 (abbreviated as 8260 M - PIANO VolHC - GC/MS)

For StationID B31, SampleID W003 included multiple samples from the same container, but two where coded as "Oil" (B31A-SP02, B31A-SP03). The samples analyzed by Alpha are coded as SampleID W003, Labrep 1A (original ID B31A-SP02), and SampleID W003D (field duplicate), Labrep 1A (original ID B31A-SP03), with the matrix assigned as oil.

The sample sent to LSU was coded as SampleID W003, Labrep = 1L.

****SUMMED PARAMETERS****
No sums were calculated.

****QUALIFIERS****
Qualifiers recorded in the chemistry files represent the final data qualifiers provided by the data validation. If no validation was completed (LSU lab data), the qualifers are those assigned by the lab. Descriptions of the data qualifiers are included in the data dictionary.
"F" (found) qualifiers were added by the data validators, where the lab reported concentration was below the method detection limit (see DL field).

****OTHER****
The original analyte in Alpha lab EDDs reported as Benzo(k)fluoranthene was identifed by the data validators to be a coelution of Benzo(k)fluoranthene and Benzo(j)fluoranthene. Therefore, the chemical data for the original Benzo(k)fluoranthene results have been assigned a chemical code for Benzo(j+k)fluoranthene.

The original analyte in Alpha lab EDDs reported as "Total Petroleum Hydrocarbons (C9-C44)" was proposed to need further distinction based on information acquired from the data validators. The analyte was not subjected to silica gel cleanup; thus, it was suggested that the results represented "Total Extractable Matter (C9-C44)". This is the chemical code/chemical name used to report these original total petroleum hydrocarbon results in the final chemistry tables.